

ACC NR: AP6004869 (N) SOURCE CODE: UR/0402/65/000/005/0613/0614

AUTHOR: Noskov, F. S.; Boldasov, V. K.; Gol'din, R. B.; Yermakov, N. V.; Volkova, L. A. 33

ORG: Military Medical Academy im. S. M. Kirov, Order of Lenin, Leningrad (Voyennomeditsinskaya ordena Lenina akademiya) 32
B

TITLE: Contrast medium for immunofluorescent detection of adenoviruses in cell cultures of guinea pig kidneys 6

SOURCE: Voprosy virusologii, no. 5, 1965, 613-614

TOPIC TAGS: virus disease, animal disease, experiment animal, ~~test~~ ~~serum~~, ~~cytology~~, ~~antigen~~, ~~microscopy~~

ABSTRACT: Bovine serum albumin labeled with sulforhodamine B fluoride was tested as a contrast medium for adeovirus type 4 infected guinea pig kidney cells stained with fluorescein. The infected cells were exposed to the specific rabbit immune globulin, then added with fluorescein isothiocyanate at a rate of 10 mg fluorochrome per 1 g protein. The phosphate buffered serum albumin was first conjugated with freshly synthesized sulforhodamine B fluoride in an alkaline medium, then purified. The fixated adenovirus preparations were treated

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UDC: 576.858.5.093.3.073.4

ACC NR: AP6004869

with the mixture of conjugates for 20 minutes, then studied under the luminescent microscope. Normal cells were brick red, the protoplasm lighter than the nucleus; the infected nuclei had a specific green color with bright green sparkling enclosures. Upon single step processing of the preparations, the specific interaction of virus antigen-antibody was not inhibited by the presence of the labeled albumin. The physicochemical absorption of labeled albumin on cells led to nonspecific staining of the background (cells containing no virus antibodies) which did not depress specific fluorescence. This method also permits the detection of single infected cells. Its use is recommended. "The sulforhodamine B fluoride was placed at our disposal by Prof. I. S. Ioffe whom we wish to thank for his courtesy". Orig. art. has: none.

SUB CODE: 06/ SUBM DATE: 26Nov64/ OTH REF: 006

Card 2/2 W

ALISOV, P.A., general-mayor meditsinskoy sluzhby, prof.; BOLDASOV, V.K.,
kand. med. nauk; KAZANTSEV, A.P., podpolkovnik meditsinskoy sluzhby,
doktor med. nauk; NEMIRO, Ye.A.; TARASOV, V.N., kand. med. nauk;
MEBEL', B.D., kand. med. nauk

Experience in clinical and laboratory diagnosis of acute res-
piratory diseases in man. Voen.-med. zhur. no. 11:49-53 Ja '66
(MIRA 19:2)

RAPOPORT, I.B.; BOL'DBERG, V.M.; ITSIKSON, L.B.

Dehydrogenation of alcohols on a copper-calcium catalyst. Zhur.
prikl.khim. 34 no.11:2544-2550 N '61. (MIRA 15:1)
(Alcohols) (Dehydrogenation)

Belgray, R

RUMANIA/Cultivated Plants. Grains.

Abs Jour : Ref Zhur-Biol., No 15, 1958, 68078
Author : Bryndonku, Al., Kalakrinos, A., Enescu, C.,
Baldon, E.
Inst : ~~Rumanian Inst.~~
Title : Local Winter Hard Wheat.
Orig Pub : Biol. zh. Akad. RNR, 1956, 1, No 2, 175-105

Abstract : The semi-yearly variety has a vegetation period of 250-270 days. In years of considerable precipitation, it is susceptible to tumbling down; it is very resistant to smut, and is little affected by brown rust. The morphological characteristics of this variety are given. In 1953 and 1954, winter hard wheat was tested by comparing it in parallel sowings with winter

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wheat and spring hard wheat in various ob-
jects of the country. In regions with heavy
precipitation and mild winters, it yielded
6-15 percent less than winter wheat, and 19-
40 percent less than spring hard wheat; in
the steppes and wooded steppes of the south,
it yielded 1.5-3 times more than spring hard
wheat. Data are given on the chemical analy-
sis of the grain and flour of winter wheat,
and winter and spring hard wheat. -- E. Ya.
Vorontsova

Card : 2/2

BOLDEA, E.

BOLDEA, E. Quality of some selected species of winter wheat in various experimental stations. p.927.

Vol. 6, no.7, 1956

COMUNICARILE.

SCIENCE

ROMANIA

So: East European Accession, Vol. 6, No. 5, May 1957

COUNTRY : ROMANIA
CATEGORY : Cultivated Plants. Cereals. M
AFS. JOUR. : RZhBiol., No. 14, 1958, No. 63319
AUTHOR : Ionescu-Sisest, G., Mihalca V., Boldea E.
INST. : The Academy of RPR
TITLE : Morphological Signs and Physiological Characteristics of
Wheat Strains 31 and 185 Originating from A15 Variety.
ORIG. PUB. : Bul. stiint. Acad. RPR. Sec. biol. si stiinta agric.,
1956, 3, No. 4, 799-807
ABSTRACT : Strain 31 is resistant to infection with rust, to damping-
off and is very frost resistant. With regard to quick ripen-
ing and yield it surpasses the original variety A 15. Strain
185 is resistant to stripe rust, loose smut; it is early-
maturing and highly productive; it lodges but does not shed
grain. Strain 185 is one of the highest quality wheats.

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ROMANIA/Cultivated Plants - Grains. M.

APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000206110011-9"

Author : Ionescu-Sisesti, G., Mihalca, U., Boldea, E.
Inst : Scientific Institute of Agronomy.
Title : Different Lines of Winter Wheat Cultivated Under Condi-
tions of Superior Agricultural Technique.
Orig Pub : Anuarul stiint. Inst. agron., 1957, 5-22
Abstract : The lines No 185.31 and 41 isolated from the variety
A15 of winter wheat surpass the original variety in re-
gard to quick maturing, drought resistance, winter re-
sistance and yield. Line No 185 is the most resistant
one to drooping and line No 41 is susceptible to droop-
ing in fertile soils.

Card 1/1

BOLDEA, E.; MUNTEANU, M.

Influence of various mixtures of perennial herbs, seeded on various dates, on the yield and quality of winter wheat. p. 973.

COMUNICARILE. Bucuresti, Rumania, Vol. 7, no. 11, Nov. 1957.

Monthly List of European Accessions (EEAI) LC, Vol. 8, no. 8, Aug. 1959.

Uncl.

BULGARIA / E E E E E

RUMANIA/Cultivated Plants - Grains.

M-2

Abs Jour : Ref Zhur - Biol., No 20, 1958, 91608

Author : Serbanescu, N., Margineanu, M., Boldea, Elena, Militescu, Lidia.

Inst : Communist Academy of the Rumanian People's Republic

Title : The Influence of Preceding Crops on the Productivity and Quality of Winter Wheat on the Brown-Reddish Forest Soil of Bucharest Region.

Orig Pub : Comm. Acad. RPR, 1957, 7, No 12, 1059-1064.

Abstract : Data from 1955-1956 of the Moara Domnaske Agricultural Experimental Base. The highest yield was obtained after 2 - 3 years sowing of perennial grass. The lowest - after corn. No noticeable difference was observed in the quality of the wheat.

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ROMANIA/Cultivated Plants - Grains.

ii.

Abs Jour : Ref Zhur - Biol., No 10, 44023

Author : Boldea, Elena

Inst :

Title : The Quality of Winter Wheat Varieties Classified by Districts in Rumania.

Orig Pub : Probl. agric., 1957, 9, No 8, 11-25

Abstract : Results of the studies on the bread-making qualities of winter wheat varieties AL5, Chenad 117, Ovdosh 241, Ben-cuti 1201, Tirgu-Frumo and Saragan 77 which have been assigned to districts. The study gives the quality indices of the varieties determined by growing conditions and changes in the chemical composition of the grain according to zones.

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BOLDEA, C. COUNTRY: Romania APPROVED FOR RELEASE: 06/09/2000, CIA-RDP86-00513R000206110011-9

ABS. JOUR. : RBiol., No.21, 1958, No. 95909

AUTHOR : Boldea, Elena; Munteanu, M.

INST. : Communist Academy RPR

TITLE : The Influence of Various Perennial Grass Mixtures on the Productivity and Quality of Winter Wheat

ORIG. PUB. : Comun. Acad. RPR, 1957, No.11, 973-978

ABSTRACT : The experiments were made on bog soil at the Agricultural Experimental Station of Chenad in Timisoara Province. The greatest yielding capacity and best quality (chemical composition and bread-baking quality) of wheat were obtained after spring sowing of an alfalfa and meadow fescue mixture.--

CARD: 1/1

RESEARCH/Cultivated Plants. Cereals.

Abstr Jour: Raf Zhur-Sick., No 17, 1958, 7737h.

Author : Inasgi A.; Poles V.; Sweten, I.; Sotescu, I.;
Klimentyev, M.; Miller, C.; Pop, O.; Tarkov, B.;
Khalimov, V.; Greditskiy, N.; Glazov, A.; Stasescu, Z.;
Bascou, B.; Zoldan, E.; Grosescu, E.

Inst : On the Problems of Dividing Varieties of Winter Wheat
into of Winter and Spring Cereals and into
Districts.

Orig Pub: An Inst. cercetari agric., 1957, 24, No 5, 213-277.

Abstract: Results of a comparative study at experimental
stations of the Scientific-Research Agency Insti-
tute of varieties divided into districts and those
newly obtained for 1949-1952. In regard to winter

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Wheat, good results were shown of the variety
divided into districts "Ovidiu" 117 and the new
varieties "Tyro Frumos" 15, divided into
the steppe and forest-steppe regions of Moldavia,
and "Paragan" 77. In the forest-steppe region of both
slopes of the Carpathian and Western Moldavia
(Mainly Apusen), the variety "Cezar" 117 pro-
ved. In the steppe and forest-steppe regions
of the western part of Romania, Donat and the
central part of Transylvania - "Ovidiu" 201, di-
vided into districts in Paragan. As regards a
barley variety, "Chama" 39; is the most early
maturing and frost resistant, is divided into all
zones of cultivation of winter barley. As regards

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spring barley, the best variety - "Tyro Frumos"
240, is divided into districts in the steppe and
forest-steppe regions of Moldavia, Dobruza,
Munteniya and Olteniya, and "Gaur Margiu", which
is divided into districts in all regions of Tran-
sylvania and Donat and in the forest zone of
Moldavia. As regards oats, the best variety -
"Tyro Frumos" 9, is divided into districts in
the steppe and forest-steppe regions of Moldavia,
in Dobruza, Munteniya and Olteniya, and EAR
878, which is divided into districts in the
central part of Transylvania. -- A. P. Mlystova.

Card : 3/3

6

BOLDEA, Gh., ing.; DESPA, I., ing.

Working conditions in junction chambers. Telecommunicatii 6
no.4:173-176 JI-Ag '62.

P O L .

615.779.833

3317

Synowicki Z., Elsner J., Holdek Cz., Plebański T., Kotula Z., Cwalo-
czyński I. Crystalline Procaine Penicillin for Intramuscular Injection
in Water Suspension.

„Krystaliczna penicylina prokainowa do zastrzyków domięśni-
owych w zawiesinie wodnej”. Przemysł Chemiczny. No. 5, 1954, pp.
269-273, 7, figs., 10 tabs.

The aim of the experiments here described was to work out an eco-
nomic method of obtaining procaine penicillin from N-ethylpiperidine
salt and from potassium salt of penicillin. The course of the process is
given together with the influence of different parameters on the yield.
The properties of the procaine penicillin obtained were investigated.
The efficacy of the product was established in a number of clinical
tests. This method of manufacture was notified to industry in the
year 1953.

SADOV, F.I., prof.; BOLDENKO, A.R., aspirant

Dyeing of "nitron" fibers processed with hydrogen peroxide.
Tekst.prom. 21 no.12:44-46 D '61. (MIRA 15:2)

1. Zaveduyushchiy kafedroy khimicheskoy tekhnologii voloknistykh materialov Moskovskogo tekstil'nogo instituta (for Sadov).
2. Kafedra khimicheskoy tekhnologii voloknistykh materialov Moskovskogo tekstil'nogo instituta (for Boldenko).
(Dyes and dyeing--Cellulose)

SADOV, F.I.; BOLDENKO, A.R.

Preparing "nitron" fibers for dyeing. Tekst.prom. 21 no.6:58-62
Je '61. (MIRA 15:2)
(Dyes and dyeing--Cellulose)

TRIFONOV, I. (g.Orsha, Vitebskoy obl.); BOLDENKOV, K. (g.Bryansk); KAPUSTIN, F. (g. Rzhev, Kalininskoy obl.); BUGAYEV, V. (g. Svatovo, Luganskoy obl.); KARLINSKIY, G. (g. Fergana); VAYSMAN, M. (g. Tambovka, Amurskoy obl.); GIRSON, I., tekhnoruk (g. Kuybyshev)

In the pregress labor campaign. Prom.koop. 12 no.11:6-7
N '58. (MIRA 11:11)

1. Ispolnyayushchiy obyazannosti predsedatelya pravleniya arteli po orgmassovoy rabote i kadram (for Trifonov). 2. Predsedatel' pravleniya arteli "Metallist." (for Boldenkov). 3. Inspektor orgtdela oblpromoveta (for Karlinskiy). 4. Predsedatel' pravleniya arteli "Bol'shevik." (for Vaysman). 5. Artel' "Udarnik." (for Girson).

(Cooperative societies)

KANIN, P.; BOLDENKOV, K.; LOMKO, A.; KITAYEV, I.; OVSYANNIKOV, V.;
KUTISHCHEV, N.

In honor of the Twenty-First Congress of the CPSU. Prom.koop. 13
no.1:10 Ja '59. (MIRA 12:2)

1. Predsedatel' pravleniya arteli imeni 15-letiya koperatsii invalidov, g. Voronezh (for Kanin). 2. Predsedatel' pravleniya arteli "Metallist," g. Bryansk (for Boldenkov). 3. Starshiy inspektor orgotdela oblpromsoveta, g. Zhitomir (for Lomko). 4. Nachal'nik orgotdela oblpromsoveta, g. Vladimir (for Kitayev). 5. Sekretar' partiynoy organizatsii arteli imeni Stalina, s. Katyuzhanka, Kiyevskoy ob. (for Ovsyannikov). 6. Zamestitel' predsedatelya pravleniya oblpromsoveta, g. Ural'sk (for Kutishchev).

(Cooperative societies)

LEONT'YEV, N.L.; KRECHETOV, I.V.; TSAREV, B.S.; BOLDENKOV, R.P.

Effect of high temperature drying of pine wood on its physical
and mechanical properties. Der.prom. 6 no.6:3-6 Je '57.
(MLRA 10:8)

1. Tsentral'nyy nauchno-issledovatel'skiy institut mekhanicheskoy
obrabotki drevesiny.

(Lumber--Drying)

(Wood--Testing)

BOLDENKOV, R.P., inzh.; PEYCH, N.N., inzh., red.; ZABOLOTSKAYA, A.A.,
red.; LYAKHOVICH, E.A., red.izd-va; KORNYUSHINA, A.S.,
tekhn. red.

[Artificial drying of wood; bibliographical index of Soviet
literature for 1950-1957]Iskusstvennaia sushka drevesiny;
bibliograficheskii ukazatel' otechestvennoi literatury za
1950-1957 gg. Moskva, Goslesbumizdat, 1959. 32 p.

(MIRA 16:4)

1. Moscow. Tsentral'naya nauchno-tekhnicheskaya biblioteka les-
noy i bumazhnoy promyshlennosti.

(Bibliography--Lumber--Drying)

BOLDENKOV, R. P., Cand Tech Sci -- (diss) "Bases for a method of converting the mechanical properties of lignin to standard temperature." Moscow, 1960. 16 pp; (Ministry of Higher and Secondary Specialist Education RSFSR, Moscow Forestry Engineering Inst); 125 copies; price not given; (KL, 17-60, 151)

BOLDENKOV, R.P.; BAMB, A.I., red.

[Wood bending; bibliography of Soviet literature of 1945-1959]
Gnut'e drevesiny; bibliograficheskii ukazatel' otechestvennoi
literatury za 1945-1959 gg. Moskva, 1960. 13 p.

(MIRA 15:5)

1. Moscow. Tsentral'naya nauchno-tekhnicheskaya biblioteka
lesnoy i bumazhnoy promyshlennosti.

(Bibliography—Woodwork)

BOLDENKOV, R.P.; PEYCH, N.N., red.; YUFA, M.A., otv. red.

[Heat treatment of wood; bibliographic index of the Soviet literature for 1935-1961 for engineers and technicians] Teplovaia obrabotka drevesiny; bibliograficheski ukazatel' otechestvennoi literatury dlia inzhenerno-tekhnikeskikh rabotnikov za 1935-1961 gg. Moskva, Gos.kom-t Soveta Ministrov RSFSR, 1962. 16 p. (MIRA 15:8)

1. Moscow. Tsentral'naya nauchno-tekhnikeskaya biblioteka lesnoy i bumazhnoy promyshlennosti.

(Bibliography--Wood--Heat treatment)

BOLDENKOV, R.P., kand.tekhn.nauk

"Techniques of statistical calculations" by N.L.Leont'ev. Reviewed
by R.P.Boldenkov. Der.prom. 11 no.12:28-29 D '62. (MIRA 16:1)

1. Tsentral'nyy nauchno-issledovatel'skiy institut mekhanizatsii
obrabotki drevesiny.
(Industrial statistics) (Leont'ev, N.L.)

BOLDENKOV, R.P.

Standardization of methods for testing wood-particle boards.
Standartizatsiia 26 no.6:30-31 Je '62. (MIRA 15:7)
(Hardboard--Testing)

BOLDENKOV, R.P.; SHELUJCHENKO, Ye.M., nauchn. red.; ~~FE~~RENKO,
V.M., tekhn. red.

[Determining the qualities of particle boards] Opredelenie
svoistv struzhechnykh plit. Moskva, TSentr. in-t tekhn.
informatsii i ekon. issl. po lesnoi, bumazhnoi i derevoobr.
promyshl., 1963. 15 p. (MIRA 17:3)

BOLDENKOV, R.P., kand.tekhn.nauk

Moisture and the physical and mechanical properties of lumber. Der.
prom. 12 no.11:25-26 N '63. (MIRA 17:1)

BOLDENKOV, N.

Disseminate advanced experience on a broader scale. Pozh.delo
5 no.1:22 Ja '59. (MIRA 11:12)
(Moscow--Fire departments)

BOLDERITZ, Karoly; HODOS, Gyorgyne

Swine slaughterhouse waste water analysis. Hidrologiai Köz-
lony 37 no.3:249-255 '57.

1. Országos Közegészségügyi Intézet Vizügyi Osztálya.

COUNTRY : Rumania
CATEGORY : Cultivated Plants. Grains.
ASS. JOUR. : RZbiol., No. 21, 1958, No. 95908
AUTHOR : Priadoenou, A.L.; Malnerinos, A.; Enescu, S.; *
INST. : Academy of Sciences RPR
TITLE : Preliminary Results of Introducing "Arnaut
de Toamă", Winter Arnautka Wheat, into
Cultivation
ORIG. PUB. : Bul. științ. Acad. RPR. Sec. biol. și științe
agric., 1956, 8, No. 4, 817-825
ABSTRACT : On the basis of the findings of variety
tests made at the experimental stations in
Rumania, winter Arnautka (Triticum durum v. Coerulescens) which yields a large grain with
high protein content is recommended for
cultivation in Oltenia and Banat.

* Boldea, El.

CARD:

1/1

TIMUS, M., ing.; BOLDESCU, G., ing.

Modern techniques in manufacturing high quality gasolines
and their economic efficiency. Petrol si gaze 14 no. 5:
255-260 My '63.

ROLDSCU, G.

Petroleum-product tank losses by evaporations. p. 76.

PETROL SI GAZE. (Asociatia Stiintifica a Inginerilor si Tehnicienilor din Romania si Ministerul Industriei Petrolului) Bucuresti, Romania. Vol. 10, no. 2, Feb. 1959.

Monthly list of East European Accessions (EEA) LC, ^{VOL 8}no. 8, Aug. 1959

Uncl.

TIMUS, M., ing.; BOLDESCU, Ch.,ing.

Controlling technological processes in refining by modern
analytic methods. Petrol. si gaze 12 no.12:556-568 D '61.

TIMUS, M., ing.; BOLDESCU, Gh., ing.

Modern methods in determining antiknock power. Petrol si gaze 12
no.7:317-324 JI '61.

BOLDESCU, G., ing.

Sensitivity and susceptibility of Humanian gasolines. Petrol
si gaze 15 no.3:117-121 Mr '64.

RUMANIA / Pharmacology and Toxicology. Chemotherapeutic Agents. V-10
Antimalarial Agents.

Abs Jour : Ref. Zhur - Biologiya, No 17, 1958, No. 80724
Author : Ungureanu, Er.; Boldescu, I.; Boingoanu-Dranga, A.;
Hutu, I.
Inst : Not given
Titlo : Influence of Chlorochin (W-7618) on Malarial Parasites
(Plasmodium vivax) During Natural Infections.
Orig Pub : Studii si cercotari stiint. Acad. RPR Fil. Iasi, 1955,
Ser 2, 6, No 1-2, 111-116

Abstract : In 8 patients with malaria caused by Pl. vivax, the
therapeutic and parasitocidal effect of chlorochin (I)
was tested; an average dose of 2.5 g during 3 days was
stipulated. Fever stopped the first day; schizonts dis-
appeared in 20-30 hours, gametocytes in 48 hours. In 8
hours after the administration of 1 g of the drug, ameboid

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RUMANIA / Pharmacology and Toxicology. Chemotherapeutic Agents. V-10
Antimalarial Agents.
APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000206110011-9"

Abs Jour : Ref. Zhur - Biologiya, No 17, 1958, No. 80724

schizonts became orbicular, compact, and were colored more
intensively than usual. After the administration of 1.5 g
of I, degenerative changes of the nuclei were observed,
sometimes with peripheral expulsion. In large parasites,
especially in the female gametocytes, agglomeration of the
pigment and its expulsion from the cells was observed.

Card 2/2

UNGUREANU, Ernest; IONESCU, Ecaterina; BOINGEANU-DRANGA, A.; BOLDESCU, I.;
CRISMARU, V.; HUTU, I.

Studies of prevention of helminthiasis in rural areas. Bul. stiint.,
sect. med. 8 no.4:1013-1034 Oct-Dec 56.
(HELMINTH INFECTIONS, prev. & control
in Rumania, in rural areas)

BURDEA, M., dr.; BOLDESCU, Ioana, dr.; PETREA, D., dr.; HOLBAN, Livia, dr.;
SVART, Seli, dr.; NEGRESCU, Verona, dr.; CRISMARU, Victoria, entomolog

Contribution to the study of Isospora belli infestations in
children. *Pediatria (Bucur)* 14 no.1:55-60 Ja-F'65.

1. Lucrare efectuata in Clinica de pediatrie, Iasi.

RUMANIA

GROZA, I., Veterinary Physician; BOLDIJAR, Artenița, Chemist; and GEORGETA, Vlad, Engineer; Central Laboratory of Sanitary and Veterinary Control of Foods and Feeds (Laboratorul central de control sanitar-veterinar al alimentelor și furajelor) Bucharest

"Chlorella Vulgaris, an Important Source of Proteins and Vitamins for Animal Feeding"

Bucharest, Revista De Zootehnie si Medicina Veterinara, Vol 16, No. 7
June 1966; pp. 24-26

Abstract: General discussion on the possibility of utilizing algae as animal food, based partly on world literature, but primarily on the visit by one of the authors to the Czech Institute of Algology in Trebon; an analysis of 9 components of the powdered green smelly Chlorella flour is tabulated and compared with 7 other foods. Table 1 French and 5 Rumanian references.

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BOLDIN, A.A.; VASIL'YEV, R.F.

Method of compressed samples in infrared spectroscopy.
Zav.lab. 27 no.7:819-822 '61. (MIRA 14:7)

1. Institut khimicheskoy fiziki AN SSSR.
(Spectrum, Infrared)

OBUKHOVA, L.K.; BOLDIN, A.A.; EMANUEL', N.M.

Mechanism of the liquid phase oxidation of aliphatic ketones.
Neftekhimiia 1 no.1:70-73 Ja-F '61. (MIRA 15:2)

1. Institut khimicheskoy fiziki.
(Ketones) (Oxidation)

YERSHOV, V.V.; VOLOD'KIN, A.A.; BOLDIN, A.A.

Sterically hindered phenols. Report No.2: Synthesis of
2,6-di-tert.amyl- and 2-tert.butyl-6-tert.amylphenols. Izv.AN
SSSR.Otd.khim.nauk no.6:1105-1107 '62. (MIRA 15:8)

1. Institut khimicheskoy fiziki AN SSSR.
(Phenol) (Steric hindrance)

SKOBELKIN, V.I.; BOLDIN, A.A.

Functions of the distribution of concentrations within the cell.
Dokl.AN SSSR 145 no.6:1396-1399 Ag '62. (MIRA 15:8)

1. Institut khimicheskoy fiziki AN SSSR. Predstavleno akademikom
V.N.Kondrat'yevym.

(CELLS)

L 15476-63

EPF(c)/EWT(m)/BDS AFFTC/ASD/APGC Pr-4 BW/RM/WW/MN

ACCESSION NR: AP3005457

S/0204/63/003/004/0594/0597

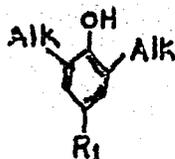
AUTHORS: Bogdanov, G. N.; Boldin, A. A.

TITLE: Influence of substituent's polarity effect upon the anti-oxidation activity of sterically hindered phenols

SOURCE: Neftekhimiya, v. 3, no. 4, 1963, 594-597

TOPIC TAGS: phenol antioxidation effects, butylphenol, OH-bond polarity, phenol

ABSTRACT: Authors studied the effect of R₁ upon the anti-oxidation effect of 2,6-di-tert-butyl-4-substituted phenols:



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ACCESSION NR: AP3005457 3

It was shown that the antioxidizing effect of various 2,6-di-tert-butyl-substituted phenols increases with an increase of the electron-donor capability of the para-substitutions R_1 . The logarithm of the relative inhibitor effectiveness shows a linear dependence on the Gamma constant of the substitution R_1 . The anti-oxidation activity of phenols decreases with an increase of the OH-bond polarity. "The authors express their gratitude to N. M. Emanuel and to K. Ye. Kruglyakova for their help in this work." Orig. art. has: 1 table, and 2 figures.

ASSOCIATION: Institut khimicheskoy fiziki, AN SSSR (Institute of chemical physics, A N SSSR)

SUBMITTED: 04Sep62

DATE ACQ: 06Sep63

ENCL: 00

SUB CODE: CH

NO REF SOV: 009

OTHER: 005

Card 2/2

BOLDIN, A.A.; VASIL'YEV, R.F.

Use of alkali halide salts as solid "solvents" in infrared spectroscopy. Izv. AN SSSR. Ser. fiz. 27 no.7:981-985 '63.
(MIRA 16:8)

1. Institut khimicheskoy fiziki AN SSSR.
(Alkali metal salts) (Spectrum, Infrared)

BOGDANOV, G.N.; BOLDIN, A.A.

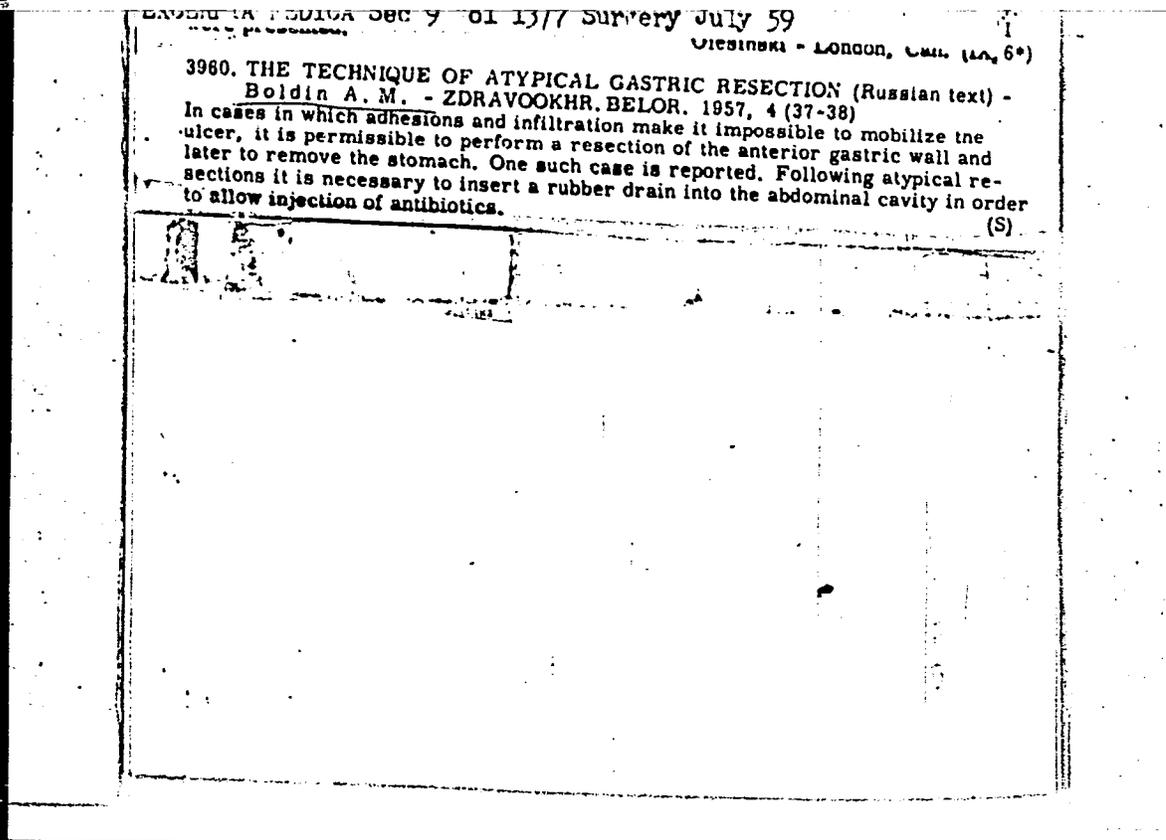
Influence of the polar effect of substituents on the oxidation inhibiting activity of sterically hindered phenols.
Neftekhimia 3 no.4:594-597 JI-Ag '63. (MIRA 16:11)

1. Institut khimicheskoy fiziki AN SSSR.

BOLDIN, A.A.

Press mold for preparing samples from alkali halide salts.
Zav. lab. 30 no.1:50 '64. (MIRA 17:9)

1. Institut khimicheskoy fiziki AN SSSR.



BOLDIN, A.M., prof.

Diagnosis of acute pancreatitis. Zdrav. Belor. 5 no.9:29-30 S '59.
(MIRA 12:12)

1. Iz kafedry khirurgii Belorusskogo instituta usovershenstvovaniya
vrachey.

(PANCREAS--DISEASES)

BOLDIN, A.M.; KLIONSKIY, S.I.; LOSEVA, N.A.

Treatment of acute postoperative pulmonary edema by inhalation of a mixture of alcohol vapor and oxygen. Zdrav. Belor. 6 no.9:50-52 S '60. (MIRA 13:9)

1. Iz kafedry khirurgii Belorusskogo instituta usovershenstvovaniya vrachey (zaveduyushchiy kafedroy - professor A.M. Boldin) ikkhirurgicheskogo otdeleniy Minskoy oblastnoy bol'nitsy (glavnyy vrach G.A. TSgoyev).

(PULMONARY EDEMA)

(ALCOHOL--THERAPEUTIC USE)

(OXYGEN--THERAPEUTIC USE)

BOLDIN, A.M., prof.; GRISHKEVICH, V.M.

Etiology and pathogenesis of acute appendicitis. Zdrav. Belor.
6 no. 7:3-8 Je '60. (MIRA 13:8)
(APPENDICITIS)

BOLDIN, A.M., professor; PLAVINSKIY, A.A.

Anesthesia in the stage of analgesia. Zdrav. Bel. 7 no. 4:59-61
Ap '61. (MIRA 14:4)

1. Iz khirurgicheskoy kliniki Belorusskogo instituta usovershenstvovaniya vrachey (zaveduyushchiy kafedroy - professor A.M. Boldin).
(ANESTHESIA)

BOLDIN, A.M., prof.; PLAVINSKIY, A.A.

Intubation technic in anesthesia. Zdrav.Bel. 8 no.2:57-58 F '62.
(MIRA 15:11)

1. Kafedra khirurgii Belorusskogo gosudarstvennogo instituta
usovershenstvovaniya vrachey (zav. kafedroy - prof. A.M.Boldin).
(INTRATRACHEAL ANESTHESIA)

USSR / Cultivated Plants. Grains.

M-3

Abs Jour: Ref Zhur-Biol., 1958, No 16, 72895.

Author : Boldin, A. N.
Inst : Kuban Agricultural Institute.
Title : Influence of Forest Belts on Harvest of Winter and
Spring Wheats.

Orig Pub: Sb. stud. nauchn. rabot. Kubansk. s.-kh. in-t,
1956 (1957), vyp. 1, 111-114.

Abstract: No abstract.

Card 1/1

24

1. BOLDIN, D.
2. USSR (600)
4. Beans
7. New variety of bean. Kolkh. proiz. 12 no. 12, 1952

9. Monthly List of Russian Accessions, Library of Congress, March 1952, Unclassified

1. BOLDIN, D. T.
2. USSR (600)
4. Lentils
7. New high-yield variety of lentils, Penza 14. Dost. sel'khoz. no. 2 1953

9. Monthly List of Russian Accessions, Library of Congress, June 1953, Unclassified.

BOLDIN, D.T.

USSR/Cultivated Plants. - Grains

M-1

Abs Jour : *Ref Zhur - Biol.*, No 1, 1958, No 1466

Author : V.S. Gurchenko, D.T. Boldin, A.V. Nesterova

Inst : Not Given

Title : New Varieties of Summer Grain Crops

Orig Pub : *Vestn. s-kh. nauki*, 1956, No 3, 139-141

Abstract : There is a brief characterization of new varieties of wheat, allotted to rayons in Eastern Siberia, in the Buryat-Mongolian ASSR, Alma-Atinskaya Oblast' and others, two varieties of oats of German selection which are suitable for cultivation in Kaliningradskaya and Kaluzh-Skaya Oblasts, and varieties of barley, earmarked for rayons in the Ukraine.

Card : 1/1

BOLDIN, D.T.

AFANAS'YEVA, A.L., kand.biol.nauk; BAYARTUYEV, A.A., kand.sel'skokhozyaystvennykh nauk; BAL'CHUGOV, A.V., kand.sel'skokhozyaystvennykh nauk; BELOZEROVA, N.A., agronom; BELOZOROV, A.T., kand.sel'skokhozyaystvennykh nauk; MAKSIMENKO, V.P., agronom; BERNIKOV, V.V.; doktor sel'skokhozyaystvennykh nauk; BOGOMYAGKOV, S.T., kand.sel'skokhozyaystvennykh nauk; VOLYNETS, O.S., agronom; BODROV, M.S., kand.sel'skokhozyaystvennykh nauk; BOGOSLAVSKIY, V.P., kand.tekhn.nauk; KHRUPPA, I.F., kand.tekhn.nauk; VERNER, A.R., doktor biol.nauk; VOZBUTSKAYA, A.Ye., kand.sel'skokhozyaystvennykh nauk; VOINOV, P.A., kand.sel'skokhozyaystvennykh nauk; VYSOKOS, G.P., kand.biol.nauk; GALDIN, M.V., inzhener-mekhanik; GERASIMOV, S.A., kand.tekhn.nauk; GORSHENIN, K.P., doktor sel'skokhozyaystvennykh nauk; YELENEV, A.V., inzhener-mekhanik; GERASKEVICH, S.V., mekhanik [deceased]; ZHARIKOVA, L.D., kand.sel'skokhozyaystvennykh nauk; ZHEGALOV, I.S., kand.tekhn.nauk; ZIMINA, Ye.A., agronom; BARANOV, V.V., kand.tekhn.nauk; PAVLOV, V.D.; IVANOV, V.K., kand.sel'skokhozyaystvennykh nauk; KAPLAN, S.M., kand.sel'skokhozyaystvennykh nauk; KATIN-YARTSEV, L.V., kand.sel'skokhozyaystvennykh nauk; KOPYRIN, V.I., doktor sel'skokhozyaystvennykh nauk; KOCHERGIN, A.Ye., kand.sel'skokhozyaystvennykh nauk; KOZHEVNIKOV, A.R., kand.sel'skokhozyaystvennykh nauk; KUZNETSOV, I.N., kand.sel'skokhozyaystvennykh nauk; LAMBIN, A.Z., doktor biol.nauk; LEONT'YEV, S.I., kand.sel'skokhozyaystvennykh nauk; MAYBORODA, N.M., kand.sel'skokhozyaystvennykh nauk; MAKAROVA, G.I., kand.sel'skokhozyaystvennykh nauk; MEL'NIKOV, G.A., inzhener; ZHDANOV, B.A., kand.sel'skokhozyaystvennykh nauk; MIKHAYLENKO, M.A., kand.sel'skokhozyaystvennykh nauk; MAGILEVTSEVA, N.A., kand.sel'skokhozyaystvennykh nauk;

(Continued on next card)

AFANAS'YEVA, A.L.... (continued) Card 2.

NIKIFOROV, P.Ye., kand.sel'skokhozyaystvennykh nauk; HENASHEV, N.I.,
lesovod; PERVUSHINA, A.N., agronom; PLOTNIKOV, N.A., kand.biol.nauk;
L.G.; kand.sel'skokhozyaystvennykh nauk; PAVLOV, V.D., kand.tekhn.
nauk; PRUTSKOVA, M.G., kand.sel'skokhozyaystvennykh nauk; GURCHENKO,
V.S., agronom; POPOVA, G.I., kand. sel'skokhozyaystvennykh nauk;
PORTYANKO, A.F., agronom; RUCHKIN, V.N., prof.; RUSHKOVSKIY, T.V.,
agronom; SAVITSKIY, M.S., kand.sel'skokhozyaystvennykh nauk; BOLDIN,
D.T. agronom; NESTEROVA, A.V., agronom; SERAFIMOVICH, L.B., kand.
tekhn.nauk; SMIRNOV, I.N., kand.sel'skokhozyaystvennykh nauk;
SREBRYANSKAYA, P.I., kand.tekhn.nauk; TOKHTUYEV, A.V., kand. sel'sko-
khozyaystvennykh nauk; PAL'KO, O.S., iznh.; FEDYUSHIN, A.V., doktor
biol.nauk; SHEVLYAGIN, A.I., kand.sel'skokhozyaystvennykh nauk;
YUFEROV, V.A., kand.sel'skokhozyaystvennykh nauk; YAKHTENFEL'D, P.A.,
kand.sel'skokhozyaystvennykh nauk; SEMENOVSKIY, A.A., red.; GOR'KOVA,
Z.D., tekhn.red.

[Handbook for Siberian agriculturists] Spravochnaya kniga agronoma
Sibiri. Moskva, Gos. izd-vo sel'khoz. lit-ry. Vol.1. 1957. 964 p.
(Siberia--Agriculture) (MIRA 11:2)

BAKUTKIN, A.B.; SEMENOV, B.S.; PANTAYEV, N.F., inzhener, retsenzent;
BOLDIN, G.M., inzhener, retsenzent.

[Operation and maintenance of measuring apparatus and automatic
regulators in petroleum refineries] Eksploatatsiia i remont izmeritel'-
nykh priborov i avtomaticheskikh regulatorov na neftezavodakh.
Moskva, Gos. nauchno-tekhn. izd-vo neftianoi i gorno-toplivnoi lit-ry,
1953. 264 p. (MIRA 7:7)

(Measuring instruments--Maintenance and repair) (Petroleum--
Refining) (Automatic control)

BOLDIN, K.M.

Technic of excision of the joint mouse from the knee joint.
Khirurgia no.4:80 Ap '54. (MLRA 7:6)
(KNEE, surgery,
*excis. of joint mouse)

BOLDIN, K. A.

A Case of Strangulated Traumatic Diaphragmatic Hernia.

VOYENNO-MEDITSINSKIY ZHURNAL (MILITARY MEDICAL JOURNAL), No 12, 1954. p.77

BOLDIN, K.M., Yaroslavl', chast' 752, III otdelenie

Unusual case of hermaphroditism. Vest.khir. 75 no.5:115-116
Je '55. (MLRA 8:10)

(HERMAPHRODITISM,
unusual case, perop.diag.)

BOLDIN, K.M.

Diagnosis of subcapsular ruptures of the liver and their surgical treatment. Nov.khir.arkh. no.3:17-19 My-Je '59.

(MIRA 12:10)

1. Kafedra obshchey khirurgii (zav. - dotsent G.A.Dudkevich)
Yaroslavskogo meditsinskogo instituta.

(LIVER--RUPTURE)

YETS, A.G., dotsent; RUKAVISHNIKOVA, V.I.; BOLDIN, K.M.

Surgical treatment of acute and subacute thrombophlebitis of the
dermal veins of the lower extremities. Sov.med. 24 no.1:127-130
Ja '60. (MIRA 13:5)

1. Iz kliniki obshchey khirurgii (zav. - dotsent G.A. Dudkevich)
Yaroslavskogo meditsinskogo instituta.
(THROMBOPHELEBITIS surgery)
(LEG blood supply)

BOLDIN, K.M.

Bilateral acute ascending thrombophlebitis of superficial veins
of the leg. Zdrav. Bel. 6 no.12:55-56 D '60. (MIRA 14:1)

1. Iz khirurgicheskogo otdeleniya meditsinskoy chasti kombinata
"Krasnyy Perekop" (zav. otdeleniyem K.M. Boldin).
(PHLEBITIS) (LEG—DISEASES)

ETS, A.G.; BOLDIN, K.M.

Case of traumatic cyst of the pancreas. Sov. med. 25 no.9:138 S '61.
(MIRA 15:1)

1. Iz Kliniki obshchey khirurgii Yaroslavskogo meditsinskogo instituta
(zav. kafedroy - dotsent G.A.Dudkevich) i khirurgicheskogo otdeleniya
mediko-sanitarnoy chasti kombinata "Krasnyy Perekop" (zav. K.M.Boldin).
(PANCREATIC CYSTS)

YETS, A. G., dotsent; BOLDIN, K. M.

Closed injuries of the biceps brachii. Ortop., travm. i protez.
no.1:75-76 '62. (MIRA 15:2)

1. Iz kliniki obshchey khirurgii (zav. kafedroy - dots. G. A. Dudkevich) Yaroslavskogo meditsinskogo instituta i khirurgicheskogo otdeleniya (zav. - K. M. Boldin) medsanchasti kombinata "Krasnyy Perekop".

(ARM--WOUNDS AND INJURIES)

BOLDIN, K.M. (Yaroslavl'); DROZDOVA, Z.S.; LEVIN, R.I.; VAYSMAN, L.A. (Kuybyshev-obl.); PODO SINOVSKIY, V.V. (Kazan'); SAYFULLINA, Kh.M. (Kazan'); EUSYGIN, N.V. (Kazan'); RAZUMOVSKIY, Yu.K. (Leninogrosk); GEL'FER, G.A., dotsent (Gor'kiy); MAMISH, M.G. (Kazan'); RAFALOVICH, M.B., dotsent; MEL'NICHUK, S.P., kand.med.nauk; KRPIVIN, B.V.; STAROVEROV, A.T. (Saratov); SURIN, V.M.; PORosenkov, V.S. (Romodanovo, Mordovskoy ASSR); ANDROSOV, M.D. (Moskva); ZARIPOV, Z.A. (Urussu, Tatarskoy ASSR); MURAV'YEV, M.F. (Izhevsk); KUZ'MIN, V.I. (Batyrevo, Chuvashskoy ASSR); SITDYKOV, E.N. (Kazan'); YUDIN, Ya.B. (Novokuznetsk)

Short reports. Kaz.med.zhur. no.4:81-91 J1-Ag '62. (MIRA 15:8)
(MEDICINE--ABSTRACTS)

BOLDIN, L.A.

Causes for the appearance of burrs on parts ground externally without centering,
and means for preventing it
kAvt. trakt. prom. no. 4, 1952

BOLDIN, Lev Andreyevich, kandidat tekhnicheskikh nauk; PRONIKOV, A.S.,
doktor tekhnicheskikh nauk, retsenznet; KUZNETSOV, M.M.,
kandidat tekhnicheskikh nauk, dotsent, retsenznet; SAVVIN, N.V.,
kandidat tekhnicheskikh nauk, dotsent, redaktor; RZHAVINSKIY, V.V.,
redaktor izdatel'stva; MODEL', B.I., tekhnicheskiy redaktor

[Machine tools; problems in operation] Metalloreshushchie stanki;
voprosy ekspluatatsii. Moskva, Gos.nauchno-tekhn.izd-vo mashino-
stroit.lit-ry, 1957. 259 p. (MLRA 10:7)
(Machine tools)

662.331
.P6

Metallorézhushchiye Stanki; Voprosy Eksploatacii (Metal Cutting Lathes;
Operating Problems) Moskva, Mashgiz, 1957.
259 P. Illus., Diagrns., Graphs, Tables.
Includes Bibliographies.

662.331	N/5
741.41	N/5
2-10/741/41	N/5

PLA

23-58-1-21/34

AUTHOR: Boldin, L.A., Dotsent, Candidate of Technical Sciences

TITLE: Basic Definitions of the Deviations in the Shape and Relative Position of Surfaces Must Be Standardized (Standartizovat' osnovnyye opredeleniya otkloneniy formy i vzaimnogo raspolozheniya poverkhnostey)

PERIODICAL: Standartizatsiya, 1958, # 1, pp 51-59 (USSR)

ABSTRACT: Every standard for accuracy of machine tools is included in the "GOST-8-52"-standard, "Metal Cutting Machine Tools. General Conditions for Accuracy Standards", and an appendix to this standard entitled "Basic Terms for Deviations in the Shape and Position of Surfaces". The author points out, that nearly every drawing and definition in this appendix needs correction. As the definitions also apply to other machines and devices other than machine tools, the author believes that this appendix ought to be made an independent standard. He suggests 17 term definitions for "non-straightlinearity of a flat surface in a given direction"; "non-flatness"; "taper"; etc, accompanied by sketches and indications of related measurement methods and instru-

Card 1/2

28-58-1-21/34

Basic Definitions of the Deviations in the Shape and Relative Position of
Surfaces Must Be Standardized

ments.

There are 17 sketches.

ASSOCIATION: Gor'kovskiy politekhnicheskij institut (Gor'kiy Polytechnical
Institute)

AVAILABLE: Library of Congress

Card 2/2

AUTHOR: Boldin, L.A. SOV-115-58-3-16/41

TITLE: The Theory and Practice of Non-Circular Measurements (Teoriya i praktika izmereniya ogranki.)

PERIODICAL: Izmeritel'naya tekhnika, 1958, Nr 3, pp 48 - 51 (USSR)

ABSTRACT: The author studied the process of centerless external grinding and analyses the conventional methods of measuring the unevenness of parts (deviation of flattened portions from true circular form) in V-block prisms and in bushings (rings) (Fig. 2,4). According to literature sources, a 3-apex shape predominates in non-circular cases, but the author revealed that a 5-apexed shape also occurs frequently, usually with 3 high and 2 low apexes (Fig. 1). The formula deduced in Ref.1, relating to the instrument-reading of the measurements in a V-block prism to the side length of the primary true 3-apex section, is of practical use because of the impossibility of measuring this side length. The author presents practical formulae (7,8) and a graph with two curves (Fig. 3) representing these formulae, as well as a formula for measuring the rings (16) and a corresponding curve

Card 1/2

The Theory and Practice of Non-Circular Measurements SOV-115-58-3-16/41

(Fig. 5). The curves enable quick determination of the theoretical measurement error. The 90° check-prisms were found to be the optimum for prism measurements. There are 8 diagrams, 2 graphs and 3 references, 2 of which are Soviet and 1 German.

1. Measurement--Theory

Card 2/2

AUTHOR: Boldin, L.A., Dotsent, Candidate of Technical Sciences

TITLE: The Collective Studies Accumulated Experience (Kollektiv izuchayet nakoplennyy opyt)

PERIODICAL: Vestnik Vysshey Shkoly, 1958, # 4, pp 49-51 (USSR)

ABSTRACT: The Dean of the Radio Engineering Faculty of the Gor'kiy Politechnical Institute, Professor D.V. Ageyev, reported to the council of the institute on the reorganization of his faculty, pointing out that the students are getting 1 day off each week for independent work. This was made possible by a more rational method of studying some subjects, reducing the number of lecture hours and eliminating duplication. Secondary material, superfluous plans, etc. have been removed from the lectures: a new method of expounding the material has been introduced. Textbooks have been issued for the most difficult courses by Dotsents G.V. Glebovich, V.Ya. Smorgonskiy and others. The amount of laboratory work has been reduced and stereotyped ways of carrying out exercises have been eliminated.

Special attention was given to the revision of the teaching plans. At present the number of obligatory lessons does not

Card 1/2

The Collective Studies Accumulated Experience

3-58-4-14/34

exceed 34 hours per week, while in the 9th semester they have been reduced to 24-26 hours.

Dotsent M.V. Larionov pointed out that the institute's scientific workers do little work in compiling textbooks: only 6 textbooks have been prepared by the 8 chairs of the mechanical faculty.

The council pointed out that the chairs have not yet utilized all resources for improving pedagogical and scientific work and should continue their efforts in this direction.

ASSOCIATION: Gor'kovskiy politekhnicheskii institut imeni A.A. Zhdanova
(The Gor'kiy Polytechnic Institute imeni A.A. Zhdanov)

AVAILABLE: Library of Congress

Card 2/2

BOLDIN, L.A.

Selection of fits based on a combination of standard tolerance
fields. Standartizatsiia 28 no.8:33-36 Ag '64. (MIRA 17:11)

BOLDIN, L.A., kand. tekhn. nauk, dotsent

Calculating fits by probable parameters. Vest. mashinostr.
45 no.7:41-43 J1 '65. (MIRA 18:10)

BOLDIN, P., inzh.

Automation and mechanization of founding. Okhr. truda 1 sots.
strakh. 6 no.12:31-33 D '63. (MIRA 17:2)

~~BOGDAN~~, P.V.; POTSELUYEV, V.I.

Standard types of casting machines. Standartizatsia 26 no.5:20-23
My '62. (MIRA 15:7)
(Foundries—Equipment and supplies)

BOLDIN, P.V.; POTSELUYEV, V.I.; RUBINCHIK, B.M.; SMIRNOVA, V.V.;
ARTYUKHIN, V.A., red.isd-vp; TIKHANOV, A.Ya., tekhn. red.

[Foundry equipment; a catalog] Liteinoe oborudovanie; ka-
talog. Moskva, Mashgis, 1963. 242 p. (MIRA 16:11)

1. Moscow. Gosudarstvennyy nauchno-issledovatel'skiy in-
stitut liteynogo mashinostroyeniya i liteynoy tekhnologii.
(Foundries--Equipment and supplies)

BEREZINA, L.S.; BOLDIN, R.V.; FEDOSEYEVA, N.N., red.

[Survey of new patents on electric storage batteries]
Obzor novykh patentov na elektricheskie akkumulyatory.
Moskva, TSentr. in-t nauchno-tekhn. informatsii priboro-
stroeniia, elektrotekhn. promyshl. i sredstv avtoma-
tizatsii, 1963. 43 p. (MIRA 17:7)

1. Russia (1923- U.S.S.R.) Gosudarstvennyy komitet po
avtomatizatsii i mashinostroyeniyu.

BOLDIN, V., inzh.

Explosions can be prevented. Pozh. delo 9 no.6:13 Je '63.
(MIRA 16:8)

1. Novosibirskaya pozharno-ispytatel'naya stantsiya.

BOLDIN, V., inzh.

Automatic ventilation and heating unit. Pozh.delo.10 no.2:4-5 F
'64. (MIRA 17:3)

Translation from: Referativnyy zhurnal. Metallurgiya, 1958, Nr 12, p 51 (USSR) SOV/137-58-12-24282

AUTHORS: Boldin, V. V., Gus'kov, V. M., Gupalo, I. P., Kil', I. G., Nikiforov, V. P.

TITLE: Development and Improvement of Electrolytic Aluminum Production in USSR Plants (Razvitiye i usovershenstvovaniye elektroliticheskogo polucheniya alyuminiya na zavodakh SSSR)

PERIODICAL: V sb.: Legkiye metally. Nr 4. Leningrad, 1957, pp 56-61

ABSTRACT: Design and experimentation toward development of a powerful 120-130,000 amp cell with top delivery of current is coming to a conclusion. In these baths the gas take-off is right over the crust of the electrolyte. This arrangement sharply reduces the amount of gas loss and increases the concentration of fluorine compounds in the gases. This makes regeneration of fluorine salts from them a real possibility. 1952-55 saw a jump in electrolysis engineering, and the major aluminum plants began to increase anode cd to 0.9-1.0 amps/cm² with simultaneous acidification of the baths to cryolite ratios (NaF:AlF₃) of 2.3-2.5, and reduction in the number of anode effects to 0.2-0.5 per bath per day. The Al level in the bath is held

Card 1/2

Development and Improvement of Electrolytic Aluminum Production in USSR Plants SOV/137-58-12-24282

at about 20 cm and the bath level at 20-25 cm. Cells now in operation are to gain 20% in output in the immediate future by increase in current intensity. This will require reduction in the distance between electrodes, introduction of special additives into the cells to increase electroconductivity or current efficiency, increase of anode width up to 300 mm, increase in anode-rod size and change in shape thereof, and increase in the cross section of cathode rods.

I. G.

Card 2/2

BOLDINA, I.G.

Pharmacology of a new myometrial stimulatory propylisothiuronium. Farm. i toks. 25 no.5:564-569 S-0 '62 (MIRA 18:1)

1. Kafedra farmakologii i farmatsii (zav. - prof. S. Ya. Arbuzov) Voenno-meditsinskoy ordena Lenina akademii imeni S.M. Kirov.

GERASKIN, V.N.; BOLDINA, G.A.; RUMYANTSEVA, K.D., inzh.

Experience in the operation of high-capacity small ChMV-450
combing machines. Tekst. prom. 25 no.5:30-32 My '65.
(MIRA 18:5)

1. Glavnyy inzh. kombinata "Krasnyy mayak" (for Geraskin).
2. Starshiy inzh. pryadil'nogo otdela Leningradskogo nauchno-
issledovatel'skogo instituta tekstil'noy promyshlennosti (for
Boldina).
3. Laboratoriya kombinata "Krasnyy mayak" (for
Rumyantseva).

BOLDINA, I.K.

Feeding of the white bream (*Blicca bjoerkna* L.) in the Volga reservoirs.
Trudy Inst. biol. vodokhran no.3:158-169 '60. (MIRA 14:3)
(Volga Valley—Carp) (Fishes—Food)

BOLDINA, I.K.

Food of sterlet in Gorkiy Reservoir. Trudy Inst.biol.vodokhran.
no.4:273-280 '61. (MIRA 14:10)
(Gorkiy Reservoir—Sturgeons) (Fishes—Food)

BOLDINA, I.K.

Some characteristics of the ecology and feeding habits of sterlet in Gorkiy and Kuybyshev Reservoirs. Vop. ekol. 5:12-13 '62.

(MIRA 16:6)

1. Institut biologii vodokhranilishch AN SSSR, Borok.
(Gorkiy Reservoir--Sturgeons)
(Kuybyshev Reservoir--Sturgeons)
(Fishes--Food)

SOV/136-59-6-10/24

AUTHORS: Suchkov, A.B., Borok, B.A., Yermakova, T.N.,
Rodnyy, M.I. and Boldina, L.D.

TITLE: On the Production of Titanium by Electrolysis of Molten
Salts, Using Soluble Anodes (Nekotoryye voprosy
polucheniya titana elektrolizom rasplavlennykh
sred s ispol'zovaniyem rastvorimyykh anodov)

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ABSTRACT: Any titanium compound possessing electronic
conductivity can be used as soluble anode. The
authors used titanium nitrides and carbides and
hydrogen-containing, oxygenous and inter-metallic
compounds of titanium, as well as titanium-base alloys
for their experiments. These were carried out in a large
laboratory plant with a maximum current supply of 1000 A.
The electrolysis cell is shown diagrammatically in the
figure, p 57 (1 - bath; 2 - lid; 3 - cell; 4 - anode lead;
5 - cathode lead; 6 - syphon). The entire apparatus was
made of stainless steel. Compact anodes, made by
powder metallurgical methods were used. These were
fixed into position and connected up and a mixture of
dry NaCl and KCl (1:1) was charged into the bath.

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Any residual moisture and occluded gases were removed by melting. A second (electrolytic) purification was carried out, in the course of which the electrolyte was saturated with titanium by means of an auxiliary cathode, and then electrolysis with a working cathode was carried out. All operations were carried out in a stream of dry, purified argon. All the experiments were performed at a temperature of 760°C and in each case the quantity of electricity was the same (1500 A hours). The following were analyzed: the cathode powder obtained on working with the auxiliary cathode; three layers of the cathode deposit (internal, middle and outer); three layers of anode slime; the electrolyte and the removed products. The results of experiments with Ti-Fe, Ti-Al, Ti-Si and Ti-Nb alloys are shown in Table 1. At present the authors are engaged on the study of binary alloys of Ti and Ni, Ca and similar metals, and Mn. Preliminary experiments have shown that the behaviour of Ni is

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analogous to that of Fe; Ca and like metals dissolve off the anode preferentially to titanium but are not deposited at the cathode. If Mn is present in the anode, the latter is soluble only if its oxygen content is extremely small. Dean's findings regarding the sharp drop in the solubility of titanium in the presence of oxygen have been confirmed. The results obtained for anode material containing 0.3% O₂ are shown in Table 2. Preliminary experiments with multi-constituent alloys have led to the conclusion that most metals change the anodic solution process of titanium, as known for binary alloys, very little. This should enable electrolytic refining of preliminarily reduced titanium raw materials (slag and concentrates) to be used as a general method for producing titanium. In order to verify this assumption, the authors carried out a series of experiments using calcium hydride as reducing agent. The experiments were carried out in an apparatus consisting of a cylinder containing argon, and a container and lid made from stainless steel. The sinter

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obtained as the result of reduction was rapidly broken up and treated in a mixer, first with water, then with 1% HCl solution until the CaO had fully dissolved. The pulp was filtered off and the powder washed with water and alcohol, and after drying was studied chemically and metallographically. In the experiments the basic following parameters were varied: temperature, proportion of reagents, duration and fineness of mixture. It was found that reduction proceeds satisfactorily when the mixture is ground to a fineness of 0.147 mm or less. The optimum processing conditions are (a) for slag - 1100°C, 2 hours, 1.8 - 2.0 kg CaH₂/kg Ti; (b) for concentrates - 1200°C, 2 hours, 2.2 - 2.4 kg CaH₂/kg Ti. Thereby, 85 to 95% Ti contained in the original materials is extracted as a solid solution (see Table 4). The material thus obtained was compacted into anodes and electrolytically refined. The results of such refining of slag and concentrates are identical and are shown in Table 5. There are 5 tables and 1 figure.

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BOLDINA, N.A.; ROGATINSKAYA, F.A.

Changes in the copper level of the blood following treatment of
radiculitis with bee venom. Zdrav. Belor. 6 no. 7:28 Je '60.
(MIRA 13:8)

1. Iz nevrologicheskogo otdeleniya Minskoy oblastnoy klinicheskoy
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(NERVES, SPINAL—DISEASES) (VENOM) (COPPER IN THE BODY)